



Homestake Mining Company of California

David W. Pierce
Closure Manager

January 10, 2020

Mr. Christopher Burrus
Office of the State Engineer, District I
5550 San Antonio Dr., NE
Albuquerque, New Mexico 87109-4127

**RE: Homestake Mining Company's (Homestake) Water Use Report Letter of
Information No. 704 for December 2019**

Dear Mr. Burrus,

This information is relative to files 1605 and B-28 for December 2019.

On December 30, 2019 the meter readings for Deep Well #1 (B-28-S), Deep Well #2 (B-28-S-1) and well 951R (B-28-POD1340) were 541,737,984, 735,498,000 and 848,791,000 gallons, respectively. Only Deep Well #2 had water usage this month. Monthly meter readings and volumes of water usage are presented in Table 2.

Metered gallons of 32,678,743 [total water injected] or 100.3 acre-feet (see next to last column in Table 1) were injected into wells in the San Mateo alluvial aquifer and the Upper and Middle Chinle aquifers, all located in Sections 26, 27, 28, 34 and 35 T12N, R10W and Section 3 T11N, R10W. As stated in Permit No. 1605 and B-28 Temp, Homestake requests return flow credits for water that is returned to underground aquifers. A portion of this injected water was shallow aquifer water treated by reverse osmosis and zeolite.

A monthly total of [industrial diversion] 35,256,850 metered gallons or 108.2 acre-feet (see tenth column in Table 1) of water were pumped from Homestake's production wells, of which 32,678,743 metered gallons [total water injected], were returned to the Bluewater underground water basin. Metered water used for industrial purposes was [industrial consumption] 2,578,107 gallons or 7.9 acre feet for December.

Thank you very much for your time and attention, if you have any questions regarding the foregoing information, I can be reached at 505-238-9701.

Respectfully,

David W. Pierce
Closure Manager
HOMESTAKE MINING COMPANY OF CALIFORNIA



Grants Project

Homestake Mining Company of California

Monthly Water Usage Report to NM OSE

Copy To:

Document Control Desk, NRC, Washington, DC (w/encl.)
R. Linton, NRC, Rockville, Maryland (electronic copy)
A. Winton, NMED, Santa Fe, New Mexico (electronic copy)
M. Purcell, EPA, Dallas, Texas (electronic copy)
B. Tsosie, DOE, Grand Junction, Colorado (electronic copy)
G. Hoffman, Hydro-Engineering, Casper, Wyoming (electronic copy)

**TABLE 1. HOMESTAKE RESTORATION VOLUME
WATER DIVERSION, INJECTION AND CONSUMPTION, (AC-FT)**

2019	On-Site Collection	San Andres Pumping	Off-Site Collection						Total Diversion
			South					North	
			Alluvial	Upper Chinle	Middle Chinle	Lower Chinle	Off-Site Total	Off-Site Total	
Jan	66.1	43.9	7.7	0.0	5.1	0.0	12.9	40.3	163.2
Feb	40.6	28.2	20.7	0.0	6.8	0.0	27.5	5.3	101.6
Mar	33.4	27.4	23.4	0.0	5.7	0.0	29.0	1.5	91.3
Apr	43.9	35.5	11.3	0.0	0.1	0.0	11.4	2.4	93.2
May	39.6	29.3	2.5	0.0	2.1	0.0	4.6	1.9	75.3
Jun	40.4	22.4	11.3	0.0	6.6	0.0	17.9	7.9	88.6
Jul	58.6	31.3	17.4	0.0	6.6	0.0	24.0	1.3	115.2
Aug	33.7	16.6	8.1	0.0	11.1	0.0	19.2	0.1	69.6
Sep	41.4	26.9	11.7	0.0	2.1	0.0	13.7	-0.3	81.7
Oct	31.9	31.1	12.1	0.0	2.3	0.0	14.3	0.0	77.2
Nov	41.4	33.2	3.6	0.0	1.3	0.0	4.9	6.5	86.0
Dec	51.4	44.9	6.0	0.0	2.0	0.0	8.0	3.9	108.2

On-Site Injection	South Off- Site Injection	North Off- Site Injection	Total Injection	Total Consumptive
73.9	27.1	46.9	147.9	15.2
44.4	16.7	28.6	89.8	11.9
40.8	14.6	22.6	78.0	13.3
49.5	11.2	17.0	77.7	15.5
45.0	9.5	5.6	60.1	15.2
37.4	12.9	15.8	66.1	22.5
52.6	16.5	21.3	90.4	24.9
29.7	12.4	14.2	56.2	13.4
35.9	13.7	17.6	67.2	14.5
39.2	12.7	17.4	69.2	8.0
40.7	14.1	14.7	69.4	16.6
58.1	20.0	22.2	100.3	7.9

**TABLE 2. HOMESTAKE SAN ANDRES WELLS' MONTHLY
METER READINGS AND VOLUMES**

2019	Deep#1 (B-28-S)		Deep Well #2 (B-28-S-1)		Well 951R (B-28-POD1340)	
	Meter Reading	Total Volume (gal)	Meter Reading	Total Volume (gal)	Meter Reading	Total Volume (gal)
Dec. 2018	541,737,984		616,313,000		847,284,000	
Jan	541,737,984	0	630,620,000	14,307,000	847,284,000	0
Feb	541,737,984	0	639,804,000	9,184,000	847,307,000	0
Mar	541,737,984	0	648,728,000	8,924,000	847,307,000	0
Apr	541,737,984	0	660,297,000	11,569,000	847,308,000	0
May	541,737,984	0	669,842,000	9,545,000	847,331,000	0
Jun	541,737,984	0	677,135,000	7,293,000	847,331,000	0
Jul	541,737,984	0	687,339,000	10,204,000	847,331,000	0
Aug	541,737,984	0	692,738,000	5,399,000	847,370,000	0
Sep	541,737,984	0	700,439,000	7,701,000	848,419,000	1,049,000
Oct	541,737,984	0	710,063,000	9,624,000	848,918,000	499,000
Nov	541,737,984	0	720,877,000	10,814,000	848,946,000	0
Dec	541,737,984	0	735,498,000	14,621,000	848,791,000	0
TOTAL		0		119,185,000		1,548,000